

Removecard [PlayerID] [CardID] [Zone]

ADDCARD [PlayerID] [CardID] [Zone Name]

Event MOVE [src PlayerID] [src zone name] [dst PlayerID] [dst zone Name] [CardID]

Event DRAWCARD [PlayerID] (move from Deck to hand)

* Anytime a player has to interact with a card, it's by the collectionID. GUID remains internal

- Tell a zone to attack, not a card

- ask for a collectionID to play a card or retire from zone

- If possible interact with zone, not card to maintain info control

gamecards encapsulate card
card - all state info outside of game

Game card differences

• Position on game arena

• Master & owner

• (State) orientation side enemy face-up/down

• abilities registered w/ game

• GUID (game-unique-ID)

INFO SEARCH // requires a holder

ZONE [OwnerID] [zone name] - all Relevant card info

CARD [CardID] - static basic info of card

Info Func INFO [RequestID] [Info Keyword] [Keyword args...]

INFORESPONSE [RequestID] [Response args...]

(zone Response) [#cards]

for each card

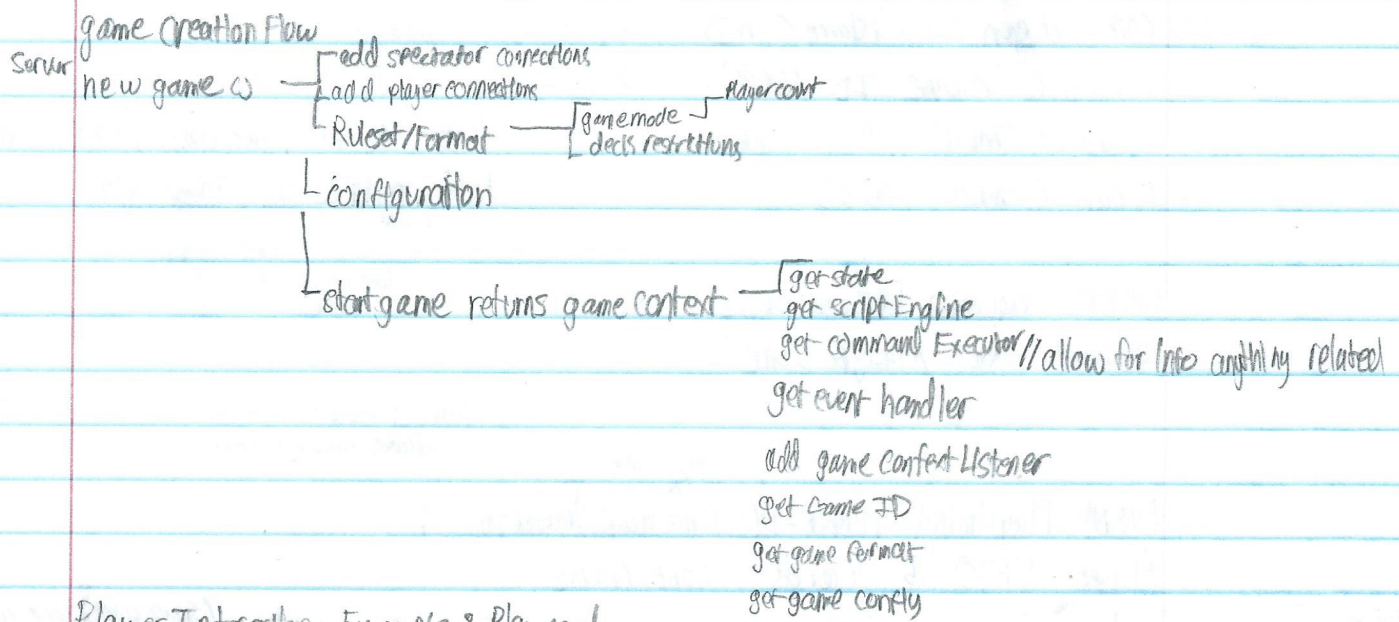
[JSON of card info
* (# hidden)
unknown]

ID, Power, Traits, Soul, level,

Trigger, CardName*

[CardType, orientation]

* only if sender type is card



Player Interaction Example: Play card

Assume: main phase play timing

1. Player select

Player communications process

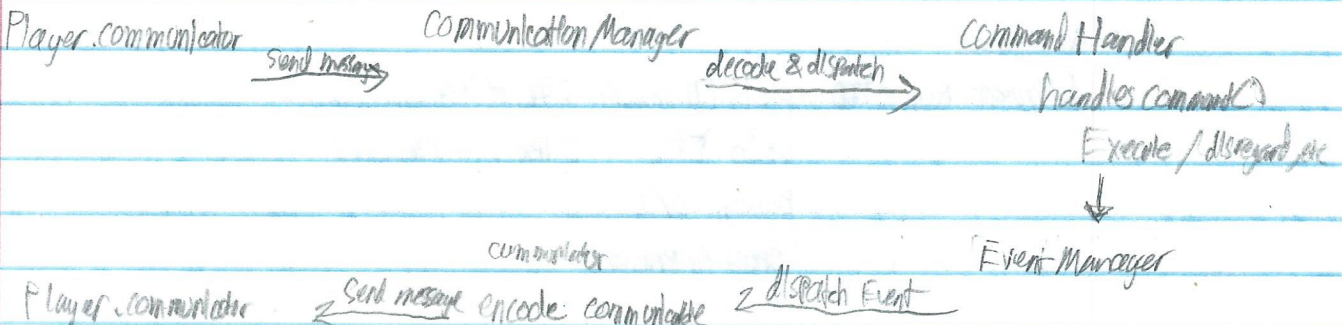
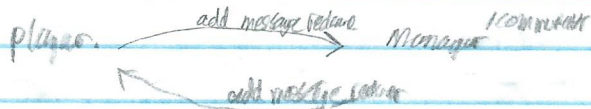
Concurrency
Event: Reshuffle
Player: choose

1st idea

sendMessage(message) ReceiveMessage()

name	parameters	Description	Example
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ADD	UUID ZONE Name		
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Event Play Timing PlayID choose 1 E IDSS

INFO

c: command gen .newInstance (this) ^{typed commandSender} // passed to script engine as sender card

c.call ("move ID HAND") → call

c.call ("MOVE", "ID HAND")

c.call ("Move" script)

Find Keyword, get class, default script
Factory.create C class, Keyword; arglist
- decoder
! arg
class.newInstance
! Catch (optional args)
return null

Response RequestID [Response args]

Command Attack ATK-Type Zone

Processor.execute
creates command (context)

EVENT Plaything playerID ([Timestamp]) (Request ID) ^{only in Event}

PT-type UPTO 5 Cards zone-Name

Decision Decision-Type [Decision count] [Option-Type]

Phase [Phase-Name]

cards [list of card IDs]

Special [list of options...]

(Search criteria, zone, manual Enumeration)

T-Type:

Phase, Request

Decision-Type:

Pick, Upto, Boolean

Option-Type:

Cards, Special

all playthings:

Decision Pick # Cards [list of cards]

Upto # Special [list of options]

Upto # Cards [list...]

Special [list...]

Boolean - - -

Phase [Phase Name]

Pre Phase response!

Response RequestID mulligan 0 or more cards

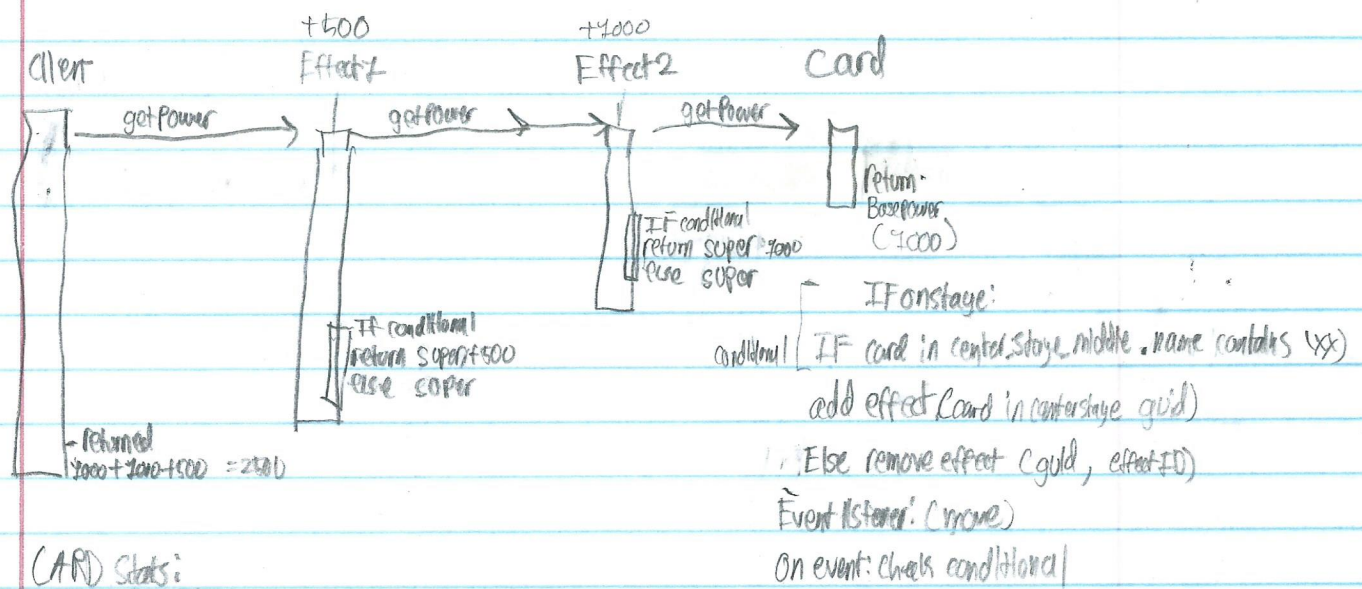
all responses:

Request RequestID pick [# selected] [# of items...]

upto [#] [list of items...]

Boolean 0/1

[Special for Phases]



CARD stats:

< Every stat can be modified with: Apply Effect ([Name of stat], modification type) [Amount] or List Items affected